

Steven Giacalone

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Campbell Hall 605L
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RESEARCH INTERESTS	Statistical validation of transiting exoplanets Statistical modeling and machine learning Planetary migration and protoplanetary disk dynamics	
EDUCATION	Ph.D., Astrophysics, University of California, Berkeley Advisor: Courtney Dressing M.A., Astrophysics, University of California, Berkeley B.A., Physics (Astrophysics Specialization), University of Chicago Advisor: Arieh Königl Thesis: "Dust Transport in Protoplanetary Disk Winds"	in progress in progress 2017
RESEARCH POSITIONS	Graduate Student, UC Berkeley Undergraduate Research Assistant, University of Chicago On-Call Technician, Fermi National Accelerator Laboratory	2017- 2014-2017 2014
HONORS AND AWARDS	Nathan Sugarman Undergrad Research Award, University of Chicago College Research Fellowship, University of Chicago Phi Beta Kappa, University of Chicago	2017 2016-2017 2016
TEACHING	Head Graduate Student Instructor, Astro 7B: Intro to Astrophysics, UC Berkeley Graduate Student Instructor, Astro C12: The Planets, UC Berkeley Graduate Student Instructor, Astro C10: Intro to General Astronomy, UC Berkeley	2019 2018 2017
OUTREACH	Astronomy Night, Head of VR Demonstrations, UC Berkeley Splash at Berkeley, Volunteer Teacher, UC Berkeley	2017- 2017-
OBSERVING EXPERIENCE	3.0-meter NASA Infrared Telescope Facility (SpeX) - 4 half nights	2018-2019
TALKS AND POSTERS	"Dust Transport in Protoplanetary Disk Winds," Graduate Student-Postdoc Seminar, UC Berkeley "A Validation Tool for TESS Exoplanet Candidates," Sagan Exoplanet Workshop POP and Poster Session, Caltech "Exploring the Implications of High-Eccentricity Migration for Exoplanets," CIPS Seminar, UC Berkeley "Exploring the Implications of High-Eccentricity Migration for Exoplanets," Nathan Sugarman Award Seminar, University of Chicago	2018 2018 2017 2017
REFEREED PUBLICATIONS	2. Giacalone, S. , Matsakos, T., & Königl, A., "A Test of the High-Eccentricity Migration Scenario for Close-In Planets," 2017, <i>AJ</i> , 154, 192 1. Königl, A., Giacalone, S. , & Matsakos, T., "On the Origin of Dynamically Isolated Hot Earths," 2017, <i>ApJL</i> , 846, L13	

**PAPERS
IN PREP**

1. **Giacalone, S.** et al., “Dust Transport and Processing in Centrifugally Driven Protoplanetary Disk Winds,” 2019, *in preparation for submission to The Astrophysical Journal*